



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
GAYLORD FIELD OFFICE



DAN WYANT
DIRECTOR

May 19, 2015

VIA E-MAIL

Mr. J.R. Anderson
Village at Grand Traverse, LLC
3805 Edwards Road, Suite 700
Cincinnati, Ohio 45209

Dear Mr. Anderson:

SUBJECT: Storm Water Construction Reconnaissance Inspections
Notice of Coverage Number MIR112950
Designated Name: Gr Traverse Town Center-Acme

On May 4, 2015 and May 12, 2015, Staff from the Department of Environmental Quality (DEQ), Water Resources Division (WRD), conducted Storm Water Construction Reconnaissance Inspections at the Grand Traverse Town Center-Acme Construction Site located at M-72 and Lautner Road, Acme, Michigan (Site). The purpose of the inspection was to evaluate the Site's compliance with Part 31, Water Resources Protection, of the Natural Resources and Environmental Protection Act (NREPA), 1994 PA 451, as amended, MCL 324.3101 *et seq.*, and the Administrative Rules promulgated there under (Part 31), as well as compliance with Part 91, Soil Erosion and Sedimentation Control (SESC) of the NREPA, 1994 PA 451, as amended, MCL 324.9101 *et seq.*, and the Administrative Rules promulgated there under (Part 91), and Rule 323.2190, Permit-By-Rule of the 1979 Administrative Code; and your National Pollutant Discharge Elimination System (NPDES) Notice of Coverage (NOC) No. MIR112950, which was issued on June 26, 2014.

Both inspections included an interview with Mr. Michael Potter, Horizon Environmental, regarding the current status of the storm water management practices at the Site, followed by an inspection of the storm water management controls on-site. A copy of the completed inspection forms have been enclosed for your reference.

During the inspection, no permit violations were found, and it was noted that the Site has added seed and mulch to several areas. DEQ staff also observed a few areas of concern during the inspections that are noted in the enclosed inspection forms. The DEQ recommends a thorough review of the noted areas of concern and continued diligence to be certain activities are maintained within compliance of the NREPA.

Should you require further information, please feel free to contact me at 989-705-3438 or by email at braggj@michigan.gov.

Sincerely,



Justin Bragg
Water Resources Division

Enclosures:

cc/enc: Mr. Mike Masterson, DEQ
Mr. Bill Larsen, DEQ
Mr. Barry Selden, DEQ
Ms. Karen Boase, DEQ
Mr. Joseph Haas, DEQ
Mr. Brian Jankowski, DEQ
Mr. Bruce Remai, Grand Traverse County CEA
Mr. Jay B. Zollinger, Acme Township Supervisor
Mr. Allen Reilly, Horizon Environmental
Mr. Steve Schooler, Director of Construction
Mr. Terry Boyd, Gourdie Fraser
Mr. T. Eric Ritchie, Team Elmer's
Mr. Steve Folkersma, Team Elmer's
Mr. Mike Potter, Horizon Environmental

Part 91/Construction Storm Water Field Inspection Form

FACILITY INFORMATION

Date: 5/04/15

SITE NAME: GTTC

SITE CONTACT: Michael Potter, Horizon Environmental

NPDES NO: MIR 112950 PART 91 PERMIT #: 23059

PART 91 AGENCY (CEA, MEA, APA): Grand Traverse CEA

INSPECTION INFORMATION

AREAS EVALUATED: Satisfactory (S), Marginal (M), Unsatisfactory (U), Not Applicable (NA), Not Evaluated (NE)

1) Overall Site Rating S <input type="checkbox"/> M <input checked="" type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input type="checkbox"/>	11) Check Dams S <input type="checkbox"/> M <input checked="" type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input type="checkbox"/>	19) Sediment Basins S <input type="checkbox"/> M <input checked="" type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input type="checkbox"/>
2) Sediment Discharged Off-site S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE <input type="checkbox"/>	12) Dewatering S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE <input type="checkbox"/>	20) Silt Fence S <input type="checkbox"/> M <input checked="" type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input type="checkbox"/>
3) Sediment Discharged to WoS S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE <input type="checkbox"/>	13) Erosion Control Blankets S <input type="checkbox"/> M <input checked="" type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input type="checkbox"/>	21) Spoils Piles S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input checked="" type="checkbox"/>
4) SESC Plan Compliance S <input checked="" type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input type="checkbox"/>	14) Access Road S <input checked="" type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input type="checkbox"/>	22) Stabilized Outlet S <input type="checkbox"/> M <input checked="" type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input type="checkbox"/>
5) Inspection Logs S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input checked="" type="checkbox"/>	15) Riprap S <input checked="" type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input type="checkbox"/>	23) Storm Sewer Inlets S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input checked="" type="checkbox"/>
6) SESC Plan Appropriate S <input type="checkbox"/> M <input checked="" type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input type="checkbox"/>	16) Road/Stream Crossing S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE <input type="checkbox"/>	24) Storm Water Basins S <input type="checkbox"/> M <input checked="" type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input type="checkbox"/>
7) SESC Permit Compliance S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input checked="" type="checkbox"/>	17) Rubbish/Chemical Control S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input checked="" type="checkbox"/> NE <input type="checkbox"/>	25) Vegetative Cover/Mulching S <input type="checkbox"/> M <input checked="" type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input type="checkbox"/>
8) SESC Plan On-site * S <input checked="" type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input type="checkbox"/>	18) Scheduling/Staging S <input type="checkbox"/> M <input checked="" type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input type="checkbox"/>	26) Other S <input type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input checked="" type="checkbox"/>
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10) SESC Permit On-site *** S <input checked="" type="checkbox"/> M <input type="checkbox"/> U <input type="checkbox"/> NA <input type="checkbox"/> NE <input type="checkbox"/>	Inspector Initials <u>JB-JR(attended)</u>	

Areas Evaluated found to be Marginal or Unsatisfactory need to have comments

Part 91/Construction Storm Water Field Inspection Form

When commenting, reference the number of the area evaluated category (e.g. #19, not trenched in along Portage Cr.)

* The Site has a SESC plan on site but it is not the up-to-date one and does not match the measures that are on-site. (# 4,6,7,8)

* Most of the site has been seeded and mulched; the following areas are still exposed and have the potential to be erosive(#25)

There is bare soil along the diversion trench that runs North and South. The diversion trench is located in the Northwest corner of the site.

The topsoil piles on site still have bare soil.

* There was no sediment discharged off-site. (# 2 & 3)

* The site has had problems with scheduling and staging from the beginning. No new problems at this time. (# 18)

* All silt fence should be inspected to make sure it is properly installed, with ends wrapped . (#20)

* Check dams need be installed properly, or they could result in erosion. (#11)

* Erosion control blankets should be properly staked and installed; they should be maintained as needed as well. (# 13 & 25)

* The erosion control blanket along the Southwest side of basin #2 needs to be maintained properly to prevent further erosion, there is rill erosion starting. (# 13 & 25)

* Basin #1 shows less turbidity than Basin #2, the site is not discharging water from the Basins. (#19 & 24)

* Southwest wetland area is starting to establish vegetation a close eye will have to be kept on it to make sure erosion does not occur. (#25)

* Overall the whole site is still lacking vegetation, basins have started to establish vegetation. Although some vegetation has started to establish the site is far from stabilized. (# 1,19,22,25)

* The site will want to keep a close eye on things listed above, the site is not stabilized and there are several areas with the potential to have erosion problems in the future. (#25)

*Seed and mulch has been added to several areas on site since the last inspection.

Along the East/West corridor road that runs along the south side of the site

Along the East/West corridor road that runs along the north side of the site

Along the North side of Basin #2

Along the East side of the topsoil pile that is located on the West of the site

Part 91/Construction Storm Water Field Inspection Form

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SITE CONTACT: Michael Potter, Horizon Environmental

NPDES NO: MIR 112950

PART 91 PERMIT #: 23059

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There is bare soil along the diversion trench that runs North and South. The diversion trench is located in the Northwest corner of the site.
The topsoil piles on site still have bare soil.

- * There was no discharged off-site when we were there. (# 2 & 3)

- * The site has had problems with scheduling and staging from the beginning. No new problems at this time, and the site is starting to green up. (# 18)

- * All silt fence should be inspected to make sure it is properly installed, with ends wrapped . (#20)

- * Check dams need be installed properly, or they could result in erosion. (#11)

- * Erosion control blankets should be properly staked and installed; they should be maintained as needed as well, will make sure you are overlapping. (# 13 & 25)

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